

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 04/21/2017 12:29 PM
Cytometer Baseline: 04/21/2017 12:22 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124671	-1	1.58	124544	1.53
Blue	F	SSC	125000	123414	-2	2.53	123772	2.34
Blue	E	FITC	23355	22794	-3	2.31	1012	10.03
Blue	D	PE	28848	28182	-3	1.88	1011	9.46
Blue	B	PerCP-Cy5-5	47791	46786	-3	3.23	1344	16.84
Blue	A	PE-Cy7	41358	41082	-1	4.94	636	34.69
Red	C	APC	51316	51158	-1	2.79	2968	9.45
Red	A	APC-Cy7	53225	52506	-2	2.88	1091	11.14
Violet	B	V450	14473	13960	-4	5.95	668	9.82
Violet	A	V500	59973	58685	-3	5.75	2595	7.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19256	5.87	605	7	N/A	N/A	Pass
Blue	F	SSC	61337	1.48	535	1	N/A	N/A	Pass
Blue	E	FITC	115	37.07	542	-2	0.0215	114	Pass
Blue	D	PE	221	28.24	536	-2	0.1731	243	Pass
Blue	B	PerCP-Cy5-5	213	43.93	628	-2	0.0101	72	Pass
Blue	A	PE-Cy7	69	114.69	680	-1	0.0124	12	Pass
Red	C	APC	346	27.80	594	0	0.0203	80	Pass
Red	A	APC-Cy7	119	40.95	575	-1	0.0057	1871	Pass
Violet	B	V450	81	43.24	471	0	0.0544	2542	Pass
Violet	A	V500	189	23.27	502	1	0.0152	583	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.19	0.85
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.86	13.27 - 19.91	N/A	N/A	31.59	31.88	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11557

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments